

Patent claims

1. A method for supplying power to a current sink (ED) via two data line pairs of a local area network (LAN), characterized in that a feed voltage made available by a voltage source (SQ) is injected between the center points of two voltage dividers which are each arranged between the two data lines of a pair.
 2. The method as claimed in claim 1, characterized in that the feed voltage is output between the center points of two voltage dividers which are each arranged between the two data lines of a pair.
 3. The method as claimed in one of the preceding claims, characterized in that nonreactive resistors (R) in relation to the line termination are used as the voltage dividers.
 4. The method as claimed in claim 3, characterized in that the resistors (R) used are equal in value.
 5. The method as claimed in one of the preceding claims,
-

characterized

in that the point between the two nonreactive resistors (R) is used as the center point.

6. The method as claimed in one of the preceding claims, characterized

in that a circuit arrangement having electronic and/or passive components is used as the voltage divider.

7. An apparatus for supplying power to at least one current sink (ED) via two data line pairs of a local area network

- having two voltage dividers which are each arranged between the two data lines of a pair, and
- having center points between the two voltage dividers for the purpose of injecting a feed voltage made available by a voltage source (SQ).

8. The apparatus as claimed in claim 7, characterized

in that the two voltage dividers, which are each arranged between the two data lines of a pair, and the center points between the two voltage dividers are provided for the purpose of outputting a feed voltage made available by a voltage source (SQ).

Patent claims

1. A method for supplying power to a current sink (ED) via two data line pairs of a local area network (LAN), characterized
in that a feed voltage made available by a voltage source (SQ) is injected between the center points of two voltage dividers which are each arranged between the two data lines of a pair, and
in that two nonreactive resistors (R), which are equal in value, in relation to the line termination are used as the voltage dividers.
2. The method as claimed in claim 1, characterized
in that the feed voltage is output between the center points of two voltage dividers which are each arranged between the two data lines of a pair.
3. The method as claimed in one of the preceding claims, characterized
in that the point between the two nonreactive resistors (R) is used as the center point.
4. The method as claimed in one of the preceding claims, characterized
in that a circuit arrangement having electronic and/or passive components is used as the voltage divider.
5. An apparatus for supplying power to at least one current sink (ED) via two data line pairs of a local area network
- having two voltage dividers which are each arranged between the two data lines of a pair, and

- having center points between the two voltage dividers for the purpose of injecting a feed voltage made available by a voltage source (SQ),
- having two nonreactive resistors (R), which are equal in value, in relation to the line termination as the voltage dividers.

6. The apparatus as claimed in claim 5, characterized

in that the two voltage dividers, which are each arranged between the two data lines of a pair, and the center points between the two voltage dividers are provided for the purpose of outputting a feed voltage made available by a voltage source (SQ).